

**ABSTRACT**

A metal fuel cell system is described for providing backup power to one or more loads upon the occurrence of a power outage condition, which includes a disruption or discontinuation in the delivery of primary power (i.e., power from a primary source, 5 namely, a source other than the metal fuel cell system) to the one or more loads. A controller senses outage of primary power to the one or more loads, and, responsive thereto, operatively engages one or more metal fuel cells to provide power to the one or more loads.